

H:\2013\4880-Fishing Pier\CAD-Norfolk Streets\5\51.dwg Mon, 21 Oct 2013 - 3:19pm .js

GENERAL NOTES

- DETAILS ENTITLED OR NOTED AS "TYPICAL" SHALL APPLY NOT ONLY WHERE SPECIFICALLY INDICATED OR REFERENCED, BUT ALSO IN ALL OTHER CASES WHERE THE NATURE OF THE CONSTRUCTION REQUIRES THEIR USE. APPLICATION OF TYPICAL DETAILS SHALL BE DETERMINED FROM DESCRIPTIVE TITLES OR FROM THE SIMILARITY OF A CONSTRUCTION CONDITION TO ANOTHER CONDITION WHERE THE DETAIL IS SPECIFICALLY INDICATED OR REFERENCED.
- DISCREPANCIES BETWEEN DIFFERENT DRAWINGS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO BEGINNING CONSTRUCTION IN THE AREAS AFFECTED BY SUCH DISCREPANCIES.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE REGARDING ALL DEMOLITION AND NEW WORK TO BE ACCOMPLISHED WITHIN THE LIMITS OF CONSTRUCTION. REMOVE EXISTING CHAIN LINK FENCE TO THE LIMITS INDICATED AND STORE, RE-INSTALL AT A LOCATION ON SITE BETWEEN THE RAMPS AND EXISTING ANEC ELECTRICAL SUBSTATION FENCE AS DIRECTED BY THE OWNER.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE THE LOCATION AND LIMITS OF THE CONTRACTOR'S LAYDOWN AREA.
- ALL ELEVATIONS ON THE STRUCTURAL DRAWINGS ARE REFERENCED TO 0.00' = MEAN TIDE LEVEL (MTL).
- THE CONTRACTOR SHALL EXERCISE CAUTION DURING THE CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE AND DISTURB THE EXISTING WATERFRONT STRUCTURES AND SO AS NOT TO CAUSE THE EXISTING WATERFRONT STRUCTURES TO BECOME UNSTABLE. UNLESS OTHERWISE NOTED, THE EXISTING WATERFRONT STRUCTURES SHALL REMAIN IN PLACE.
- CONTRACTOR SHALL PERFORM A PRECONSTRUCTION SURVEY OF THE PROJECT SITE AND ADJACENT PROPERTIES AND STRUCTURES WITH THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL TAKE PHOTOGRAPHS SHOWING EXISTING CONDITIONS IN AND ADJACENT TO THE SITE, AS NECESSARY.
- DAMAGE TO PROPERTY AND/OR FACILITIES RESULTING FROM CONTRACTOR'S OPERATIONS DURING CONSTRUCTION BEYOND THE LIMITS SHOWN ON THESE PLANS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR. THE COST OF SUCH REPAIRS OR REPLACEMENT SHALL BE BORNE BY THE CONTRACTOR.
- EXISTING CONSTRUCTION THAT IS TO REMAIN IN PLACE, BE REUSED, OR REMAIN THE PROPERTY OF THE OWNER AND DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATION SHALL BE REPLACED WITH NEW OR REPAIRED TO ITS ORIGINAL CONDITION AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- BEFORE PROCEEDING WITH THE WORK, ANY DISCREPANCY BETWEEN THESE DRAWINGS AND THE EXISTING STRUCTURES SHALL BE REPORTED TO THE ENGINEER.
- THE DIMENSIONS AND ELEVATIONS GIVEN FOR THE EXISTING STRUCTURES AND FOR ASSOCIATED COMPONENTS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATING PURPOSES ONLY. DETAIL WORK SHALL BE BASED ON THE CONTRACTOR'S FIELD MEASUREMENTS.
- ALL ITEMS SHOWN ON THESE DRAWINGS ARE NEW CONSTRUCTION UNLESS SPECIFICALLY NOTED AS EXISTING.
- THE CONTRACTOR SHALL DETERMINE THE LOCATIONS OF UNDERGROUND STRUCTURES AND UTILITIES PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT CONDITIONS. NOTE THAT A VDOT LAND USE PERMIT MAY BE REQUIRED PRIOR TO CONSTRUCTION OF THE RAMP, LANDING, AND STEPS.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE/ANEC FOR REMOVAL OF EXISTING LIGHT/POWER POLE, PLACEMENT OF ELECTRICAL CONDUIT, LOCATION OF LIGHTING, AND POWER SUPPLY FOR SITE LIGHTING.
- REFERENCE DRAWINGS: VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION, PROPOSED CONCRETE FENDER ON RTE. 175 OVER CHINCOTEAGUE CHANNEL; ACCOMACK COUNTY; PROJ. 0175-001-109, PE101, M501

STRUCTURAL DESIGN CRITERIA

- STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE FOLLOWING CODES AND SPECIFICATIONS:
 - 2009 VIRGINIA CONSTRUCTION CODE (PART 1 OF THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE) EFFECTIVE MARCH 1, 2011
 - 2009 INTERNATIONAL BUILDING CODE
 - ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
 - AF&PA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" INCLUDING SUPPLEMENTS, 2005 EDITION.
 - ACI 318-08, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY"
- DESIGN VERTICAL LIVE LOADS:

FISHING PIER, RAMP AND STEPS100 PSF

TIMBER CONSTRUCTION NOTES

- TIMBER POSTS SHALL BE SOUTHERN PINE, NO. 1 GRADE. MINIMUM DESIGN VALUES SHALL BE AS INDICATED IN "DESIGN VALUES FOR WOOD CONSTRUCTION", A SUPPLEMENT TO THE "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION", 2005 EDITION, BY THE AMERICAN FOREST AND PAPER ASSOCIATION. TREAT POSTS IN ACCORDANCE WITH AWP A U1 WITH WATER-BORNE PRESERVATIVE FOR MARINE PILES (USE CATEGORY 5B; CCA - 2.5 PCF RETENTION).
- ALL LUMBER AND TIMBER SHALL BE SOUTHERN PINE, NO. 1 GRADE. MINIMUM DESIGN VALUES SHALL BE AS INDICATED IN "DESIGN VALUES FOR WOOD CONSTRUCTION", A SUPPLEMENT TO THE "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION", 2005 EDITION, BY THE AMERICAN FOREST AND PAPER ASSOCIATION. UNLESS OTHERWISE INDICATED, TREAT WOOD IN ACCORDANCE WITH AWP A U1 WITH WATER-BORNE PRESERVATIVE FOR MATERIAL SUBJECT TO MARINE BORER EXPOSURE (USE CATEGORY 5B; CCA - 2.5 PCF RETENTION).
- ALL BOLTS AND NUTS SHALL CONFORM TO ASTM A307 AND SHALL BE OF THE SIZES INDICATED.
- UNLESS OTHERWISE INDICATED, ALL HARDWARE; SUCH AS BOLT, NUTS, WASHERS, DOWELS, AND NAILS; SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 OR ASTM A153 AS APPLICABLE.
- PROVIDE PROTECTIVE EQUIPMENT FOR PERSONNEL FABRICATING, FIELD TREATING, OR HANDLING MATERIALS TREATED WITH WATER-BORNE SALTS.
- USE ONLY FULL-LENGTH TIMBERS AND TIGHTLY FIT AGAINST PILES AND ADJACENT TIMBERS. OPEN JOINTS ARE UNACCEPTABLE. SPLICE TIMBERS IN LOCATION IN A MANNER AS INDICATED. ADDITIONAL SPLICING OF TIMBERS WILL NOT BE PERMITTED. SECURE TIMBERS AND PILES IN ALIGNMENT. BEVEL TOPS OF PILES OUTBOARD. BORE HOLES FOR BOLTS WITH A BIT 1/16 INCH LARGER IN DIAMETER THAN BOLT.
- USE WASHERS OF THE SIZE AND TYPE INDICATED UNDER BOLT HEADS AND NUTS IN CONTACT WITH WOOD. BURR THREADS OF ALL BOLTS AFTER NUTS HAVE BEEN FINALLY TIGHTENED. HORIZONTAL BOLTS EXPOSED AT FACE OF TIMBER STRUCTURE SHALL HAVE NUTS ON INBOARD (CONCEALED) ENDS. WHERE BOLTS ARE USED TO FASTEN TIMBER TO TIMBER OR TO CONCRETE, BOLT MEMBERS TOGETHER WHEN THEY ARE INSTALLED AND RETIGHTEN IMMEDIATELY PRIOR TO FINAL ACCEPTANCE OF CONTRACT. PROVIDE BOLTS HAVING SUFFICIENT ADDITIONAL THREADING TO PROVIDE AT LEAST 3/8 INCH PER FOOT THICKNESS OF TIMBER FOR FUTURE RETIGHTENING.
- FIELD TREAT CUTS, BEVELS, NOTCHES, REFACING AND ABRASIONS MADE IN THE FIELD IN TREATED PILES OR TIMBERS IN ACCORDANCE WITH AWP A M4. WOOD PRESERVATIVES ARE RESTRICTED USE PESTICIDES AND SHALL BE APPLIED ACCORDING TO APPLICABLE STANDARDS. TRIM CUTS AND ABRASIONS BEFORE FIELD TREATMENT. PAINT DEPRESSIONS OR OPENINGS AROUND BOLT HOLES, JOINTS, OR GAPS INCLUDING RECESSES FORMED BY COUNTERBORING, WITH PRESERVATIVE TREATMENT USED FOR PILES OR TIMBER.
- IN ACCORDANCE WITH AWP A M4, IMMEDIATELY AFTER PILE TOPS ARE CUT OFF, PROTECT PILE TOP WITH AT LEAST THREE (3) HEAVY APPLICATIONS OF THE SAME PRESERVATIVE USED TO TREAT THE PILE, OR ELSE COPPER NAPHTHENATE SOLUTIONS CONTAINING A MINIMUM OF 2 PERCENT COPPER METAL MAY BE USED WITH TREATED PRODUCTS. SEAL ENDS WITH A HEAVY APPLICATION OF AN APPROVED SEALER.
- REPAIR AND RECOAT ZINC COATING WHICH HAS BEEN FIELD OR SHOP CUT, BURNED BY WELDING, ABRADED, OR OTHERWISE DAMAGED TO SUCH AN EXTENT AS TO EXPOSE THE BASE METAL. THOROUGHLY CLEAN THE DAMAGED AREA BY WIRE BRUSHING AND REMOVE TRACES OF WELDING FLUX AND LOOSE OR CRACKED ZINC COATING PRIOR TO PAINTING. PAINT CLEANED AREA WITH TWO COATS OF ZINC OXIDE-ZINC DUST PAINT CONFORMING TO MIL-P-21035. COMPOUND PAINT WITH A SUITABLE VEHICLE IN A RATIO OF ONE PART ZINC OXIDE TO FOUR PARTS ZINC DUST BY WEIGHT.
- ALL LUMBER AND TIMBER SHALL BE SURFACED ON FOUR SIDES (S4S).
- TIMBER STRINGERS SHALL BE SIZED AT BEARINGS AND PLACED IN POSITION SO THAT KNOTS NEAR EDGES WILL BE IN THE TOP PORTIONS OF STRINGERS.
- TOPS OF STRINGERS SHALL NOT VARY FROM A PLANE MORE THAN WILL PERMIT BEARING OF THE DECK ON STRINGERS.
- MISCELLANEOUS STEEL SHAPES, PLATES, AND BARS SHALL CONFORM TO ASTM A36 AND BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 OR ASTM A153, AS APPLICABLE, AFTER FABRICATION.
- STRUCTURAL EPOXY RESIN ADHESIVE FOR ANCHORING STEEL EMBEDMENTS SHALL CONFORM TO ASTM C 881 OR ASTM D 1763 AS APPLICABLE, AND SHALL BE A TWO-COMPONENT, 100 PERCENT SOLIDS, MOISTURE-INSENSITIVE, HIGH MODULUS, HIGH-STRENGTH, STRUCTURAL EPOXY ADHESIVE. EPOXY RESIN ADHESIVE SHALL BE FORMULATED TO ACHIEVE HIGH STRENGTH ANCHORING OF BOLTS, DOWELS AND BARS TO HORIZONTAL, VERTICAL AND OVERHEAD CONCRETE SUBSTRATES, AS APPLICABLE. THE EPOXY ADHESIVE SHALL BE PACKAGED IN A STANDARD COMMERCIAL CONTAINER SO CONSTRUCTED AS TO PROTECT THE PRODUCT FROM CONTAMINATION. SHIPPING CONTAINERS SHALL BE MARKED WITH THE NAME OF THE PRODUCT AND ITS MANUFACTURER, ITS TYPE AND GRADE, LOT OR CONTROL NUMBER AND THE QUANTITY CONTAINED. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- PROVIDE ADHESIVE ANCHORS OF THE SIZE(S) INDICATED. STAINLESS STEEL ANCHORS SHALL CONFORM TO ASTM F593, ALLOY GROUP 2 (TYPE 316). STAINLESS STEEL NUTS SHALL CONFORM TO ASTM F594, ALLOY GROUP 2 (TYPE 316).
- HANDRAIL SHALL BE STEEL STRUCTURAL TUBING OR STEEL PIPE (STANDARD WEIGHT) CONFORMING TO ASTM A500, GRADE B OR D, OR ASTM A53, TYPE E OR S, GRADE B, AND SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.

STRUCTURAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AB	ANCHOR BOLT	LLV	LONG LEG VERTICAL
AHR	ANCHOR	LSH	LONG SIDE HORIZONTAL
APPROX	APPROXIMATELY	LSV	LONG SIDE VERTICAL
BD	BAR DIAMETER	MAX	MAXIMUM
BOC	BOTTOM OF CONCRETE	MFR	MANUFACTURER
BOS	BOTTOM OF STEEL	MLLW	MEAN LOWER LOW WATER
BRG	BEARING	MIN	MINIMUM
CJ	SLAB CONSTRUCTION JOINT	NIC	NOT IN CONTRACT
CL	CENTER LINE	NO	NUMBER
CLR	CLEAR	NTS	NOT TO SCALE
CONN	CONNECTION	OC	ON CENTER
CONC	CONCRETE	OPP	OPPOSITE
CONT	CONTINUOUS	OD	OUTSIDE DIAMETER
DIA, Ø	DIAMETER	PL	PLATE
DWG(S)	DRAWING(S)	PLF	POUNDS PER LINEAR FOOT
DN	DOWN	PSF	POUNDS PER SQUARE FOOT
EA	EACH	REINF	REINFORCEMENT
EF	EACH FACE	SCHED	SCHEDULE
EJ	EXPANSION JOINT	SIM	SIMILAR
ELEV	ELEVATION	SJ	SLAB SAWED (CONTRACTION) JOINT
EOS	EDGE OF SLAB	SL	SLOPE(D)
EQ	EQUAL	SS	STAINLESS STEEL
EW	EACH WAY	STD	STANDARD
FT	FOOT	T&B	TOP AND BOTTOM
FTG	FOOTING	TBM	TEMPORARY BENCHMARK
GA	GAGE	TOC	TOP OF CONCRETE
GALV	GALVANIZED	TOF	TOP OF FOOTING
HORIZ	HORIZONTAL	TOS	TOP OF STEEL
HS	HIGH STRENGTH	TYP	TYPICAL
ID	INSIDE DIAMETER	UHMW	ULTRA HIGH MOLECULAR WEIGHT
KIPS (k)	1000 POUNDS	UON	UNLESS OTHERWISE NOTED
LB	POUNDS	UV	ULTRA-VIOLENT
LG	LONG	VERT	VERTICAL
LLH	LONG LEG HORIZONTAL	WP	WORKING POINT
		WWF	WELDED WIRE FABRIC
	SPOT ELEVATION		RIPRAP, ARMOR STONE OR BEDDING STONE
	INDICATES ELEVATION		STEEL
	SLOPE DIRECTION		CONCRETE
	PILE REFERENCE GRID LINE (CENTER LINE OF PILE)		DEMOLITION
	TEST PILE		EXISTING CONCRETE
	RAILING		CUT OFF TIMBER PILES
			TIMBER
			EARTH FILL
			GROUT

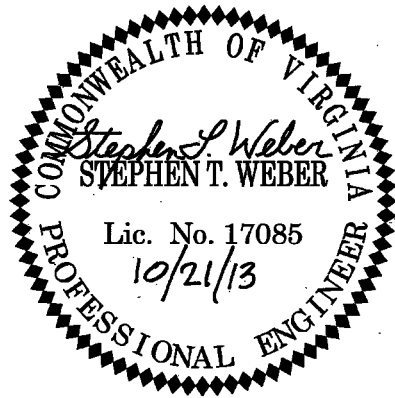
TIMBER RAILING NOTES

- ALL LUMBER AND TIMBER FOR RAILING SHALL BE SOUTHERN PINE, NO. 1 GRADE. MINIMUM DESIGN VALUES SHALL BE AS INDICATED IN "DESIGN VALUES FOR WOOD CONSTRUCTION", A SUPPLEMENT TO THE "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION", 2005 EDITION, BY THE AMERICAN FOREST AND PAPER ASSOCIATION. TREAT LUMBER AND TIMBER FOR RAILING WITH WATER-BORNE PRESERVATIVES (ACQ OR CA-B) TO PROVIDE A MINIMUM RETENTION OF 0.60 PCF (ACQ) OR 0.31 PCF (CA-B).
- RAILING TIMBERS SHALL BE SURFACED ON FOUR SIDES (S4S) AND SHALL HAVE ALL EDGES EASED.
- ALL RAIL POSTS SHALL BE TRULY VERTICAL.
- RAILS AND APRON SHALL BE CONTINUOUS OVER A MINIMUM OF THREE POST SPACES TO THE FULLEST EXTENT POSSIBLE.
- BORE HOLES IN SMALL TIMBERS FOR SCREWS AS REQUIRED TO PREVENT SPLITTING.
- ALL WOOD-TO-WOOD CONNECTIONS SHALL BE ACCOMPLISHED USING #10 HOT-DIP GALVANIZED FLAT/BUGLE HEAD SCREWS (COUNTERSINK FLUSH). PROVIDE A MINIMUM OF TWO SCREWS PER CONNECTION. FASTEN BALUSTERS TO RAILS USING 2 1/2" LONG SCREWS. FASTEN CAPS, APRONS AND RAILS TO POSTS USING 3 1/2" LONG SCREWS.

CLARK♦NEXSEN

Architecture & Engineering

6160 KEMPSVILLE CIRCLE
NORFOLK, VIRGINIA 23502
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM



CHINCOTEAGUE FISHING PIER

CHINCOTEAGUE CHANNEL
CHINCOTEAGUE ISLAND, VIRGINIA

CN NO: 4880
DATE: 10/21/13
DESIGN: STW
DRAWN: JS
REVIEW: JAF

REVISIONS		
No.	Date	Description

GENERAL NOTES AND LEGEND

S1

SHEET 2 OF 6

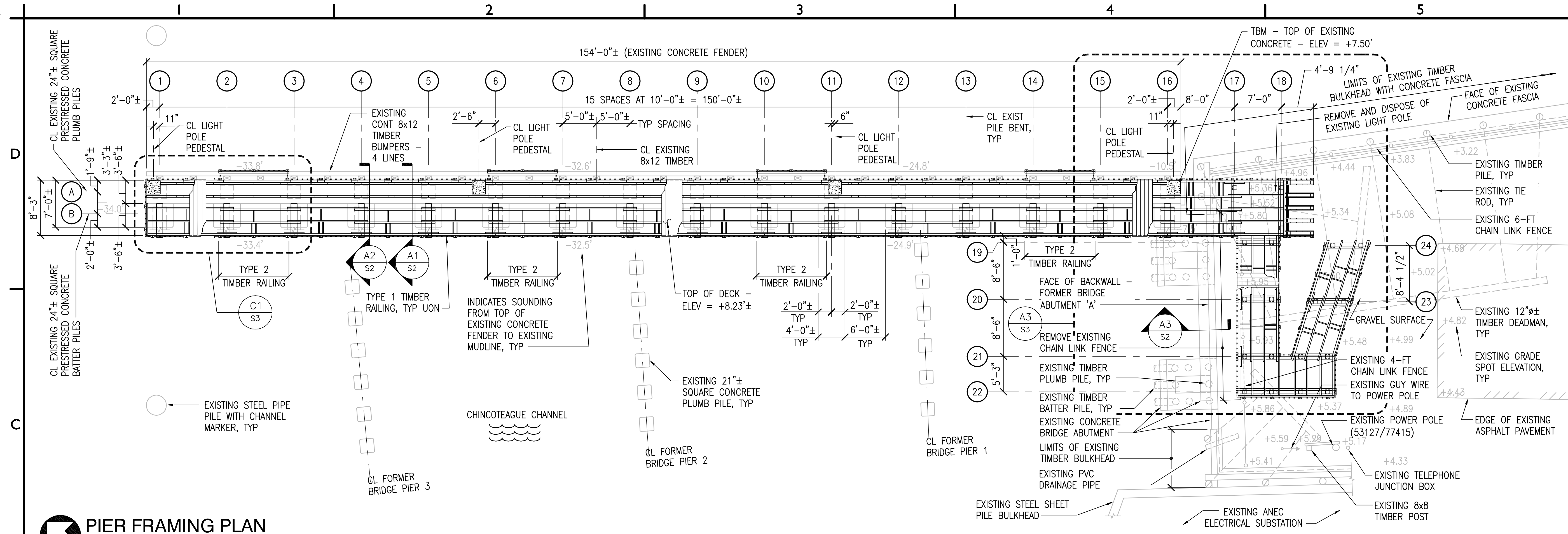
CHINCOTEAGUE FISHING PIER
CHINCOTEAGUE CHANNEL
CHINCOTEAGUE ISLAND, VIRGINIA

CN NO: 4880
DATE: 10/21/13
DESIGN: STW
DRAWN: JS
REVIEW: JAF
REVISIONS
No. Date Description By

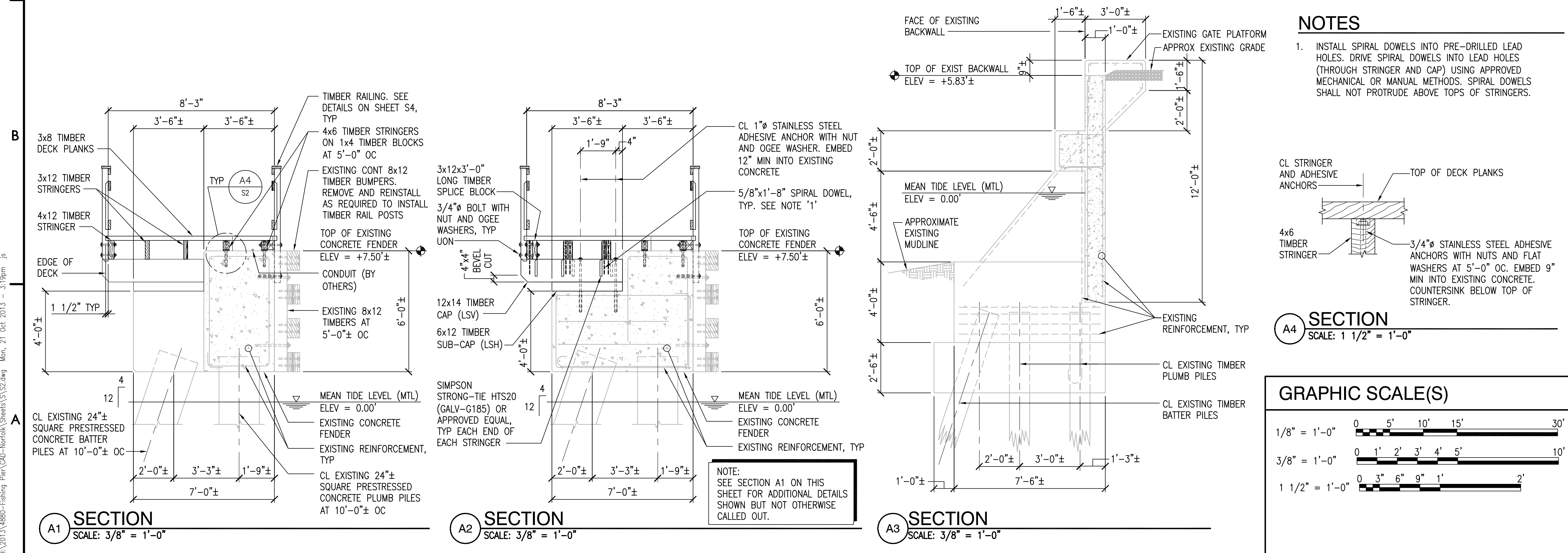
PIER FRAMING
PLAN AND
SECTIONS

S2

SHEET 3 OF 6



PIER FRAMING PLAN
SCALE: 1/8" = 1'-0"

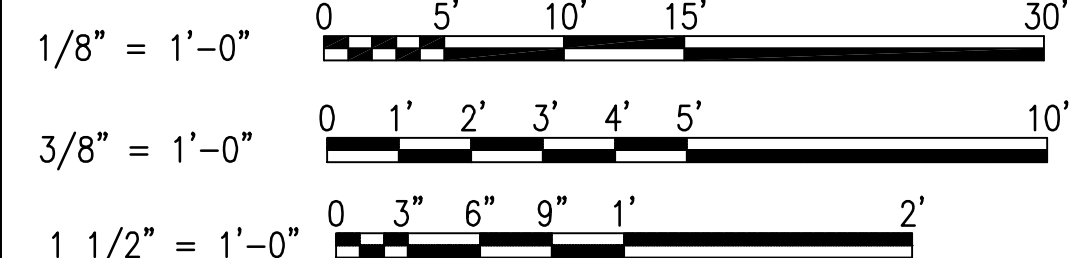


NOTES

1. INSTALL SPIRAL DOWELS INTO PRE-DRILLED LEAD HOLES. DRIVE SPIRAL DOWELS INTO LEAD HOLES (THROUGH STRINGER AND CAP) USING APPROVED MECHANICAL OR MANUAL METHODS. SPIRAL DOWELS SHALL NOT PROTRUDE ABOVE TOPS OF STRINGERS.

SECTION A4
SCALE: 1 1/2" = 1'-0"

GRAPHIC SCALE(S)



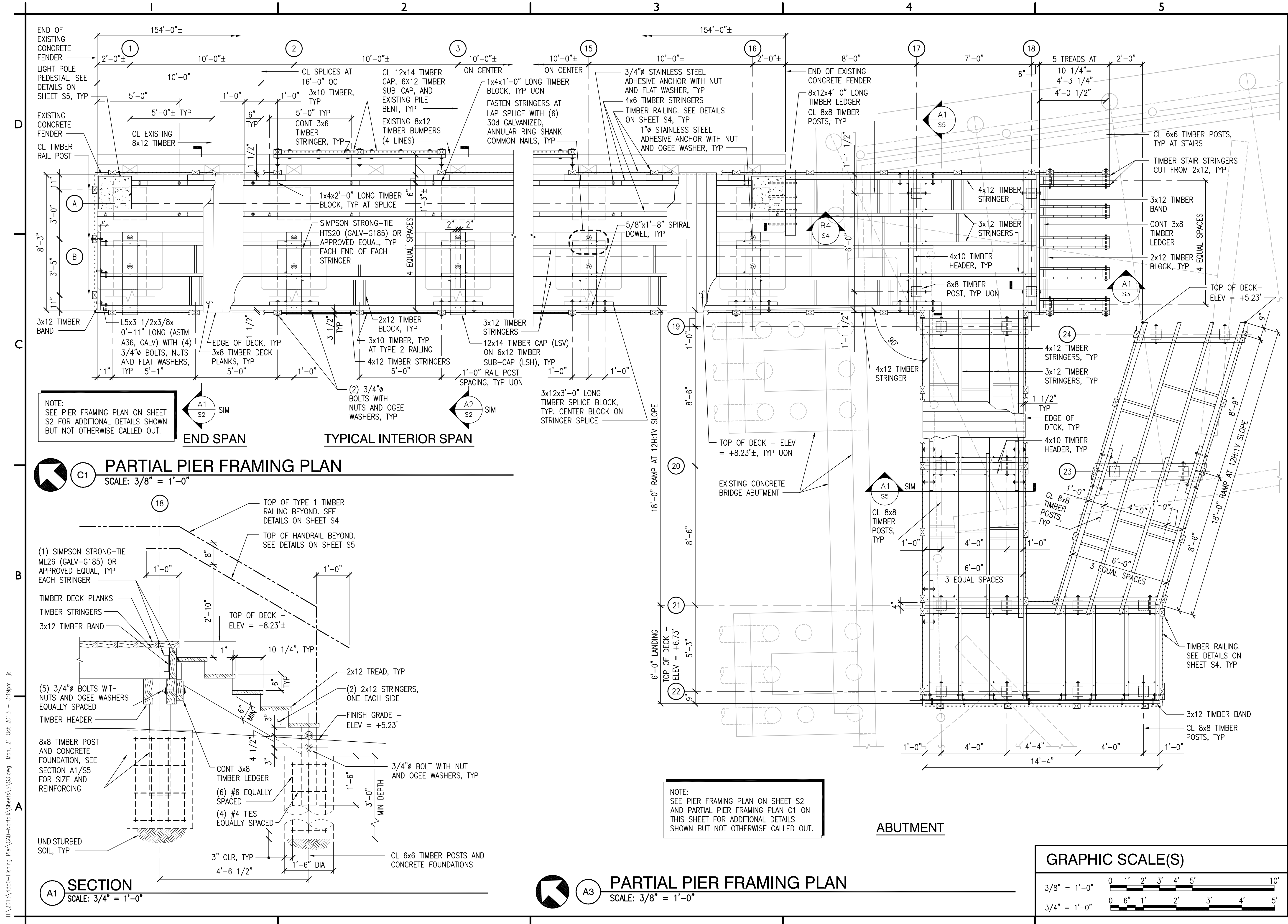
CHINCOTEAGUE FISHING PIER
CHINCOTEAGUE CHANNEL
CHINCOTEAGUE ISLAND, VIRGINIA

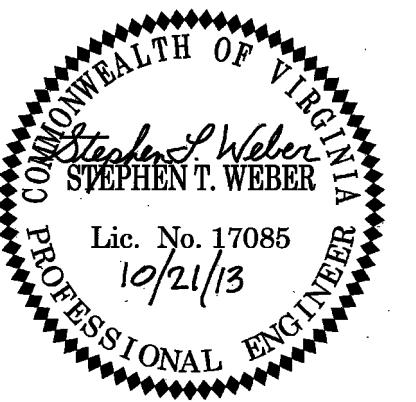
CN NO: 4880
DATE: 10/21/13
DESIGN: STW
DRAWN: JS
REVIEW: JAF
REVISIONS
No. Date Description By

**PARTIAL PIER
FRAMING PLANS**

S3

SHEET 4 OF 6





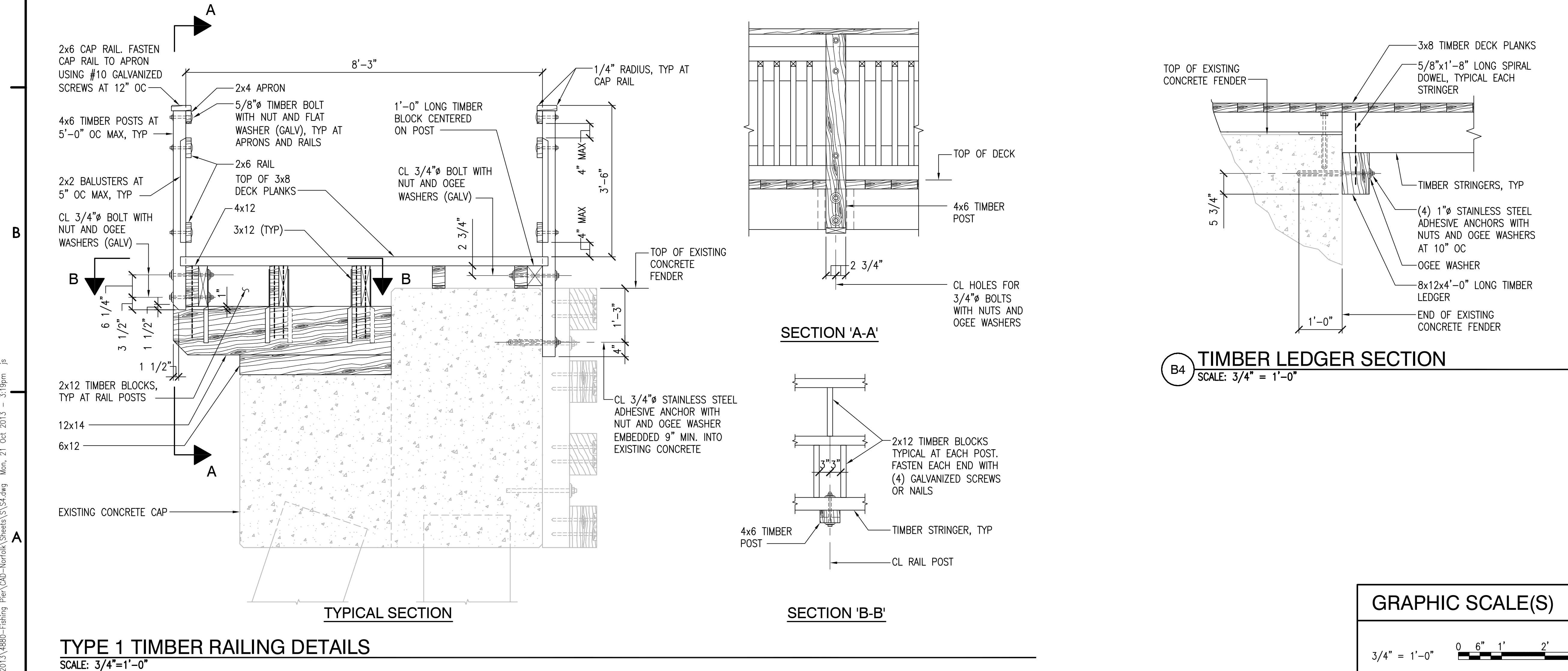
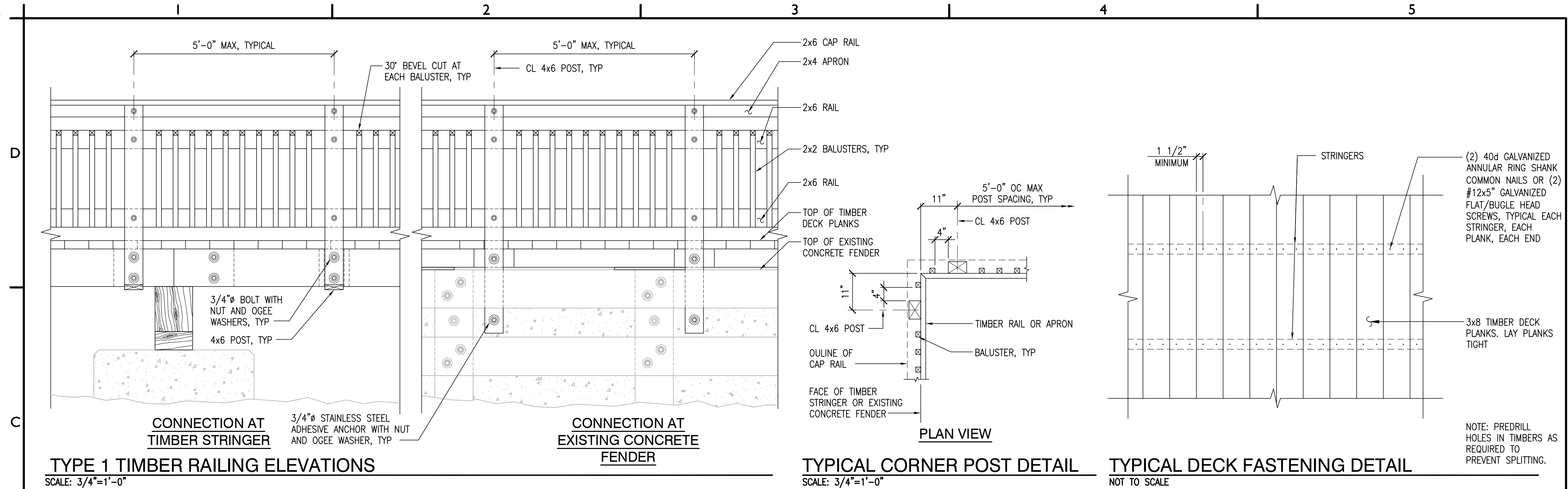
CHINCOTEAGUE FISHING PIER
CHINCOTEAGUE CHANNEL
CHINCOTEAGUE ISLAND, VIRGINIA

CN NO: 4880
DATE: 10/21/13
DESIGN: STW
DRAWN: JS
REVIEW: JAF
REVISIONS
No. Date Description By

SECTIONS AND DETAILS

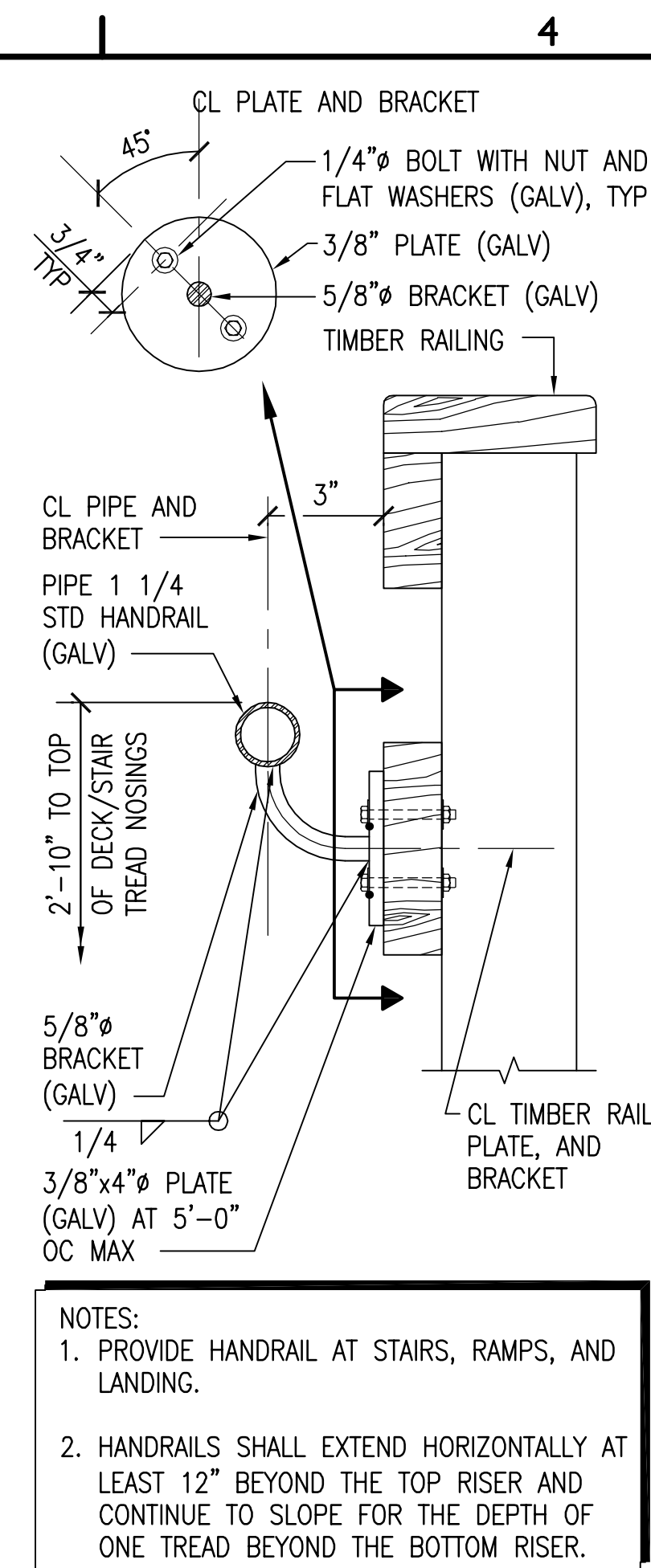
S4

SHEET 5 OF 6



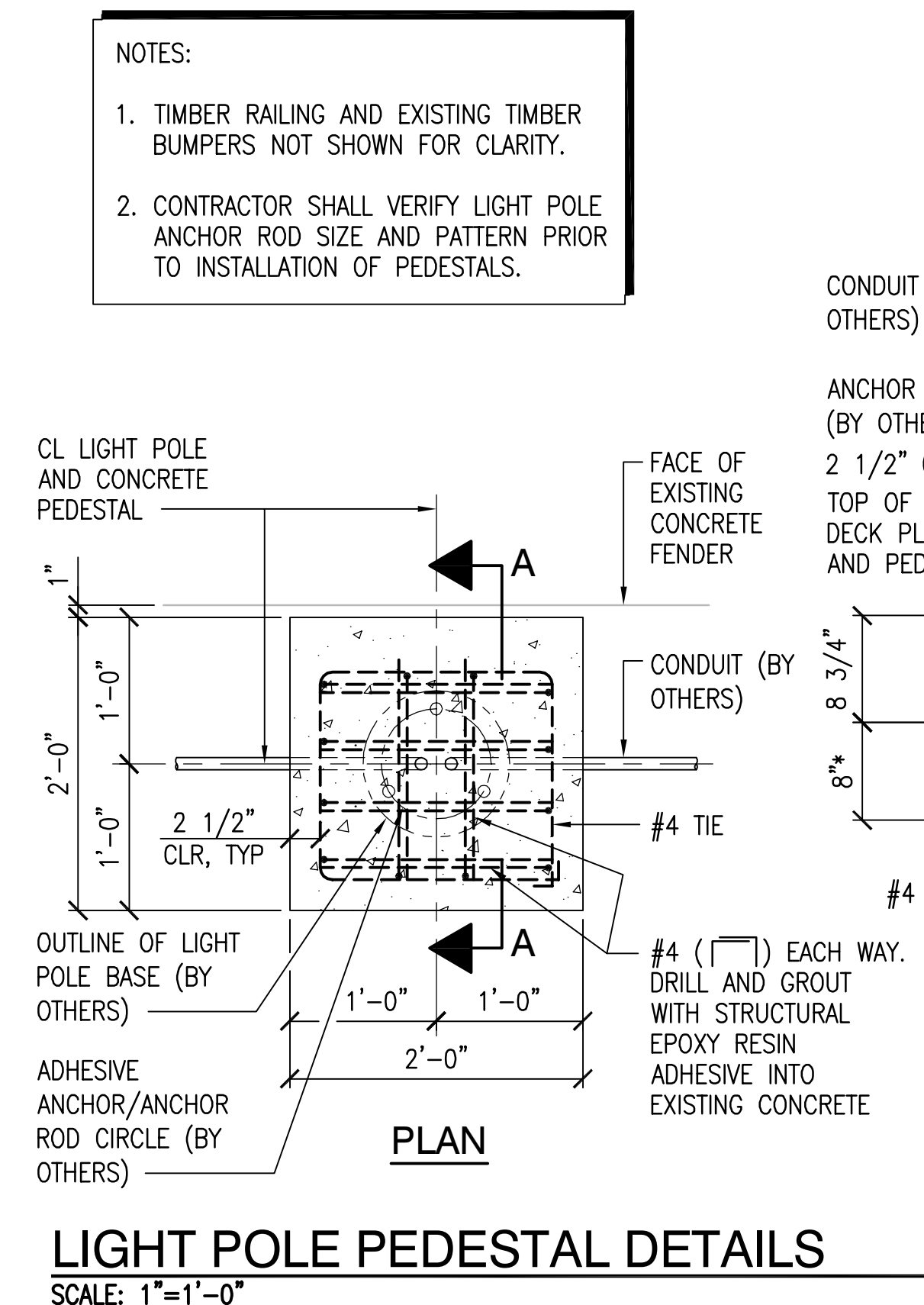
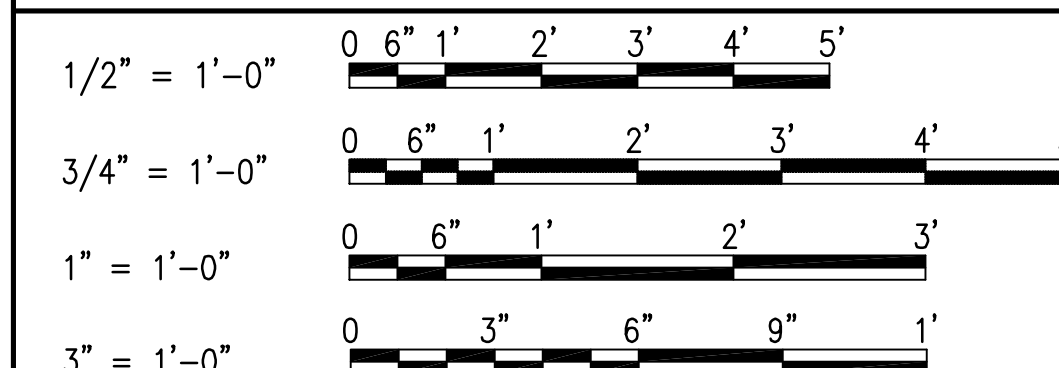
GRAPHIC SCALE(S)





1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301-10) AND BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-08).
2. CAST-IN-PLACE CONCRETE SHALL BE AIR-ENTRAINED AND ATTAIN THE FOLLOWING MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'_c):
 - A. ALL CONCRETE 4000 PSI (VDOT CLASS A4)
3. CONCRETE DENSITY SHALL BE NORMAL WEIGHT UNLESS SPECIFICALLY OTHERWISE NOTED.
4. CONCRETE REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615/A615M, GRADE 60.
5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. PROVIDE SHEET-TYPE WELDED WIRE FABRIC. SHEET LAPS SHALL BE TIED AND LAPPED ONE FULL MESH SPACING PLUS 2".
6. CONCRETE REINFORCING STEEL SHALL BE CONTINUOUS UNLESS OTHERWISE INDICATED. CONTINUOUS REINFORCING STEEL SHALL BE LAPPED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318.
7. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS INDICATED. IN NO CASE SHALL REINFORCEMENT COVER BE LESS THAN THE REQUIREMENTS OF ACI 301.
 - A. CONCRETE DEPOSITED AGAINST THE GROUND 3"
 - B. CONCRETE EXPOSED TO EARTH OR WEATHER 2"
8. CONCRETE REINFORCING STEEL MARKED STANDARD HOOK SHALL HAVE A 90-DEGREE HOOK UNLESS OTHERWISE NOTED. STIRRUPS, TIES, 180-DEGREE HOOKS AND 90-DEGREE HOOKS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318.
9. PROVIDE 1/2" THICK JOINT FILLER MATERIAL WHERE SLABS ON GRADE ABUT VERTICAL SURFACES.
10. ALL EMBEDDED ITEMS SHALL BE PROPERLY PLACED, ACCURATELY POSITIONED, AND MAINTAINED SECURELY IN PLACE PRIOR TO AND DURING CONCRETE PLACEMENT.
11. REINFORCING STEEL SHALL BE SPREAD AT SLEEVES, ANCHOR RODS AND OTHER EMBEDDED ITEMS UNLESS OTHERWISE INDICATED. REINFORCEMENT SHALL NOT BE CUT TO FACILITATE PLACEMENT OF EMBEDDED ITEMS.
12. NO CONCRETE SHALL BE PLACED UNTIL THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE HAS INSPECTED ALL EMBEDDED WORK, INCLUDING REINFORCEMENT.
13. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4" OR AS INDICATED.
14. ALUMINUM SHALL NOT BE PLACED IN DIRECT CONTACT WITH CONCRETE UNLESS EFFECTIVELY COATED OR COVERED TO PREVENT ALUMINUM-CONCRETE REACTION AND ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.

1. FOUNDATIONS HAVE BEEN DESIGNED TO BEAR ON UNDISTURBED, FIRM NATURAL SOIL OR ENGINEERED FILL CAPABLE OF SUPPORTING A NET ALLOWABLE DESIGN BEARING PRESSURE OF 1,500 PSF.
2. PRIOR TO PLACING FOUNDATION CONCRETE, THE CONTRACTOR SHALL ENSURE THAT THE FOUNDATION EXCAVATIONS ARE INSPECTED BY AN INDEPENDENT TESTING LABORATORY AND GEOTECHNICAL ENGINEER REGISTERED IN THE COMMONWEALTH OF VIRGINIA TO EVALUATE THE EXTENT OF LOOSE, SOFT OR OTHERWISE UNSATISFACTORY SOIL MATERIAL AND TO VERIFY THE DESIGN BEARING CAPACITY. SOILS NOT SUITABLE FOR FOUNDATION SUPPORT SHALL BE UNDERCUT AND REPLACED WITH ENGINEERED FILL AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
3. ADEQUATELY PROTECT FOUNDATION EXCAVATIONS TO PREVENT WATER FROM ACCUMULATING AND STANDING IN THE EXCAVATION BOTTOMS.
4. DO NOT PLACE FOUNDATION CONCRETE ON FROZEN OR SATURATED SUBGRADES.
5. ENSURE THAT EARTH-FORMED FOOTINGS CONFORM TO THE SHAPE, LINES AND THICKNESSES INDICATED. EXCAVATION WIDTHS SHALL BE A MINIMUM OF 4 INCHES GREATER THAN DIMENSIONS INDICATED.
6. PLACE FOUNDATION CONCRETE THE SAME DAY EXCAVATIONS ARE MADE OR AS SOON AS PRACTICAL THEREAFTER.
7. DO NOT INSTALL FOUNDATIONS UNTIL FOUNDATION WORK HAS BEEN COORDINATED WITH ADJACENT UNDERGROUND UTILITIES AND STRUCTURES.



SCALE: 3"=1'-0"

SCALE: 1"=1'-0"